

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/38022

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : C12N 15/63, 15/74, 15/00, 5/00; A61K 48/00  
US CL : 435/320.1, 325, 455; 514/2, 44; 424/93.1, 93.2, 93.21

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/320.1, 325, 455; 514/2, 44; 424/93.1, 93.2, 93.21

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	LIU. S. et al. Cell surface Tumor Endothelium Marker 8 cytoplasmic tail-independent anthrax toxin binding, proteolytic processin, oligomer formation, and internalization. J. Biol. Chem. 14 February 2003, Vol. 278, No. 14, pages 5227-5234, see entire document.	1-3,10-13,20-36,43-51,58-64,71-76
Y	CARSON-WALTER. E. B. et al. Cell surface tumor endothelial markers are conserved in mice and humans. Canc. Res. 15 September 2001, Vol. 61, pages 6649-6655, see entire document, especially page 6650.	1-3,10-13,20-36,43-51,58-64,71-76
Y	BRADLEY. K. A. et al. Identification of the cellular receptor for anthrax toxin. Nature. 08 November 2001, Vol. 414, pages 225-229, see entire document.	1-3,10-13,20-36,43-51,58-64,71-76
Y	US 2003/0148410 A1 (BERGER et al.) 07 August 2003 (07.08.2003), see pages 6 and 30-31.	1-3,10-13,20-36,43-51,58-64,71-76
Y	SERODY. J.S. et al. T cell activity after dendritic cell vaccination is dependent on both the type of antigen and the mode of delivery. J. Immunol. 2000, Vol. 164, pages 4961-4967, entire document.	26-27, 32-33
Y	WO 01/41787 A1 (EPIMUNE, INC.) 14 June 2001 (14.06.2001), see entire document.	1-3,10-13,20-36,43-51,58-64,71-76



Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

15 September 2005 (15.09.2005)

Date of mailing of the international search report

18 NOV 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Anne Marie S. Wehbe

Telephone No. 703-308-1235

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## Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claim Nos.: 4-9,14-19,37-42,52-57 and 65-70  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
Please See Continuation Sheet
3. ☐ Claim Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐  
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

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## Continuation of Box I Reason 2:

A meaningful search for claims 4-9, 14-19, 37-42, 52-57, and 65-70 could not be conducted as the claims recite specific SEQ ID NOS and the applicant has failed to provide the sequence listing in computer readable form such that these sequences could be searched by this office. Please note that applicant was invited to provide the nucleotide and/or amino acid sequence listing in computer readable form by this Authority in a communication mailed to applicants on 15 November 2004. No response to this communication was received.

## Continuation of B. FIELDS SEARCHED Item 3:

DIALOG-medicine database; BRS/EAST-USPATFUL, EPO, JPO, Derwint, PG-Pubs

search terms: tem-8, tumor endothelial marker 8, vector?, plasmid?, adenovir?, retrovir?, her2/neu, psma, trp-2, vaccine?, dendritic